



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[W49604]

Machine Id

JOHN DEERE 333G 1T0333GMPMF402468

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200010	JR0164355	JR0124033
Sample Date		Client Info		08 Feb 2024	07 Apr 2023	09 Aug 2022
Machine Age	hrs	Client Info		1479	966	5877
Oil Age	hrs	Client Info		0	0	5877
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

PQ		ASTM D8184	>1250	113	137	80
Iron	ppm	ASTM D5185m	>750	▲ 926	▲ 759	433
Chromium	ppm	ASTM D5185m	>9	▲ 14	▲ 12	7
Nickel	ppm	ASTM D5185m	>10	8	7	2
Titanium	ppm	ASTM D5185m		3	2	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 23	▲ 19	6
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	2	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

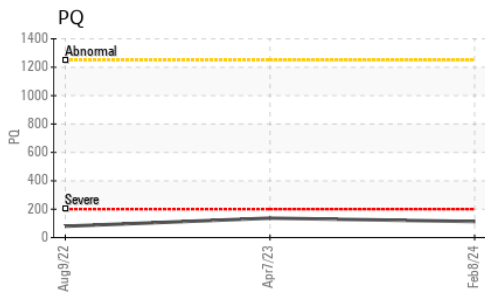
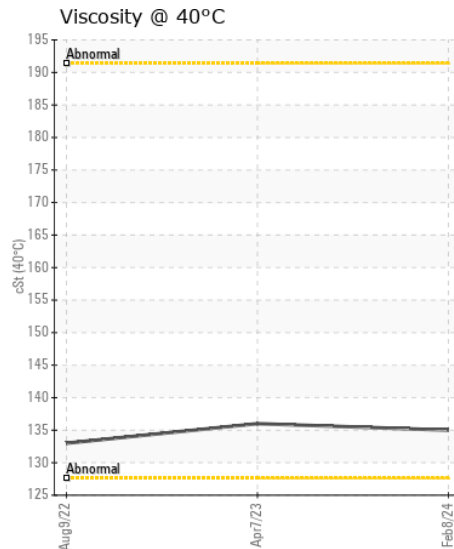
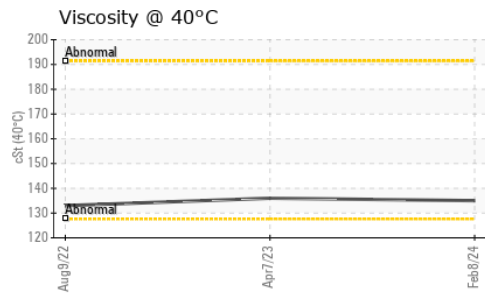
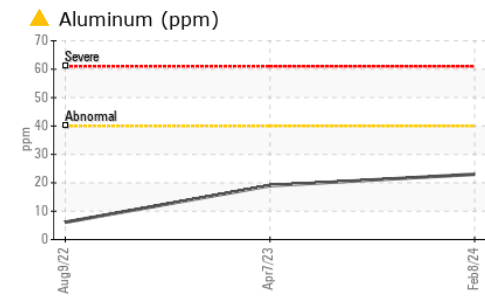
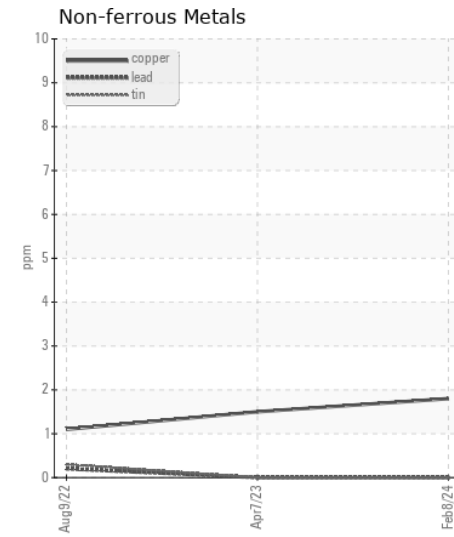
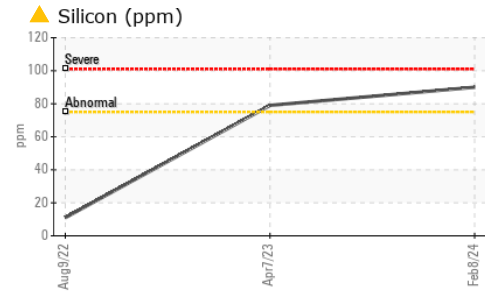
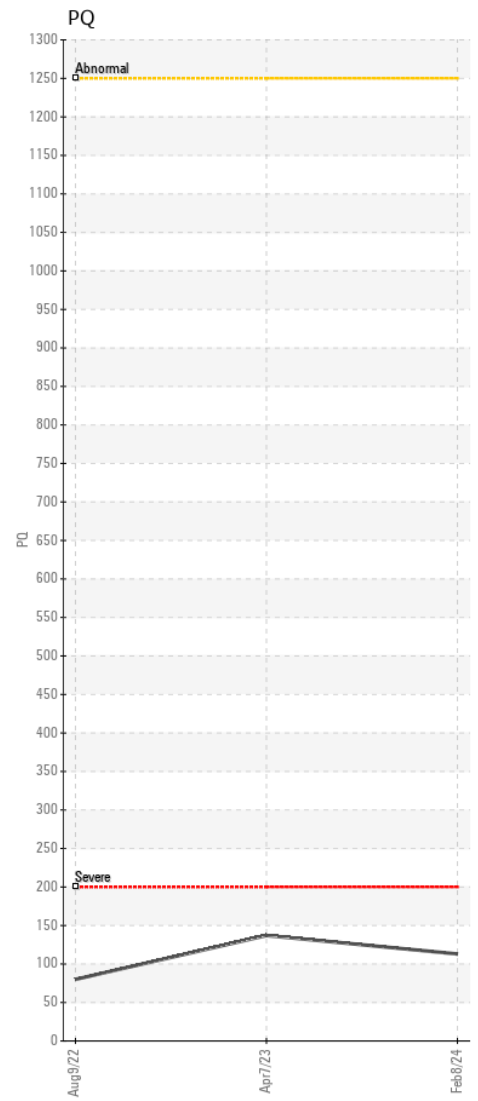
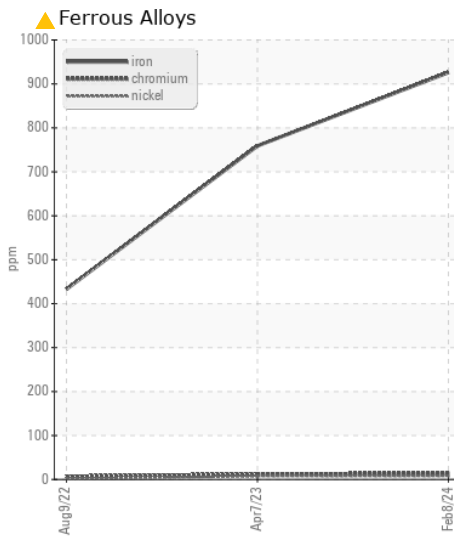
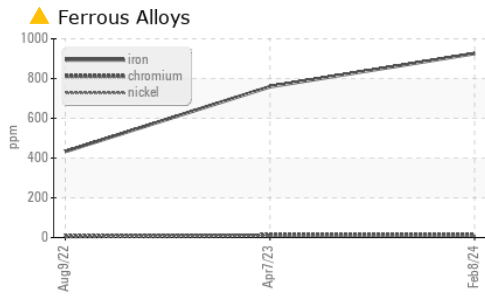
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 90	▲ 79	11
Potassium	ppm	ASTM D5185m	>20	20	15	15
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	4	6	13
Boron	ppm	ASTM D5185m		70	35	77
Barium	ppm	ASTM D5185m		40	26	75
Molybdenum	ppm	ASTM D5185m		3	2	1
Manganese	ppm	ASTM D5185m		10	10	8
Magnesium	ppm	ASTM D5185m		7	8	12
Calcium	ppm	ASTM D5185m		14	11	42
Phosphorus	ppm	ASTM D5185m		640	411	792
Zinc	ppm	ASTM D5185m		12	23	48
Sulfur	ppm	ASTM D5185m		12548	22555	21999
Visc @ 40°C	cSt	ASTM D445		135	136	133



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200010 **Received** : 13 Feb 2024
Lab Number : 06087638 **Tested** : 14 Feb 2024
Unique Number : 10875083 **Diagnosed** : 14 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)